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ABSTRACT

The present invention provides full-parallax images having high spatial resolution in real time. An image-capturing optical unit (21) includes a plurality of
5 prismatic mirrors (41) which rotate at a predetermined period. The side surface of each of the prismatic mirrors (41) reflects a light beam from an object. A camera receives the light beam from the object reflected by the
10 prismatic mirrors (41) in order to capture an image of the object. On the other hand, a display optical unit (32) includes a plurality of prismatic mirrors (51) which rotate in phase with the prismatic mirrors (41) at the same period. A projector emits a light beam corresponding to the image of
15 the object captured by the camera, and such a light beam is reflected by the prismatic mirrors (51). A user may view an image corresponding to the light beam reflected by the prismatic mirrors (51). The present invention, for example, can be applied to an image-capturing apparatus for capturing
20 an image, and a display apparatus for displaying the image captured by the image-capturing apparatus.